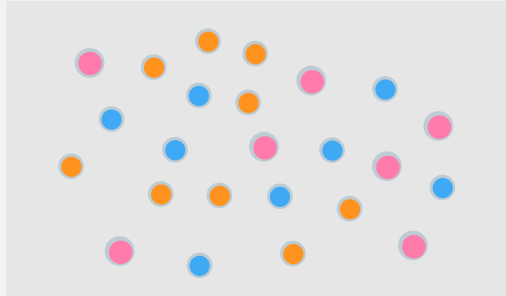# *Lyrical Particles*

Music + Lyrics Visualizer

What is it?

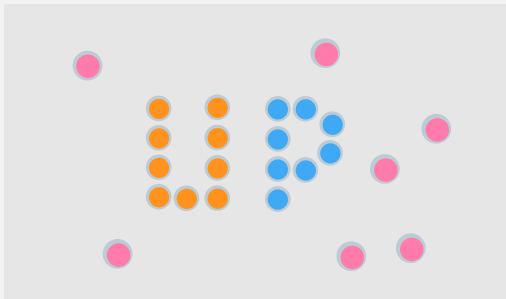A particle system that responds to a music track; specifically spectral, waveform, and beat parameters.

In addition to that, the particle system will self-arrange into the words being sang (or spoken; I'm open) while retaining the musical visualization aspect of it.
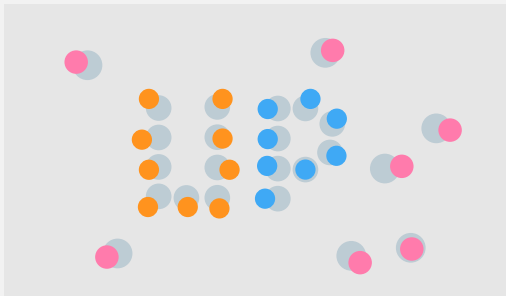
How?

I will use *Minim* to isolate (some or all of) the following information from the music track:

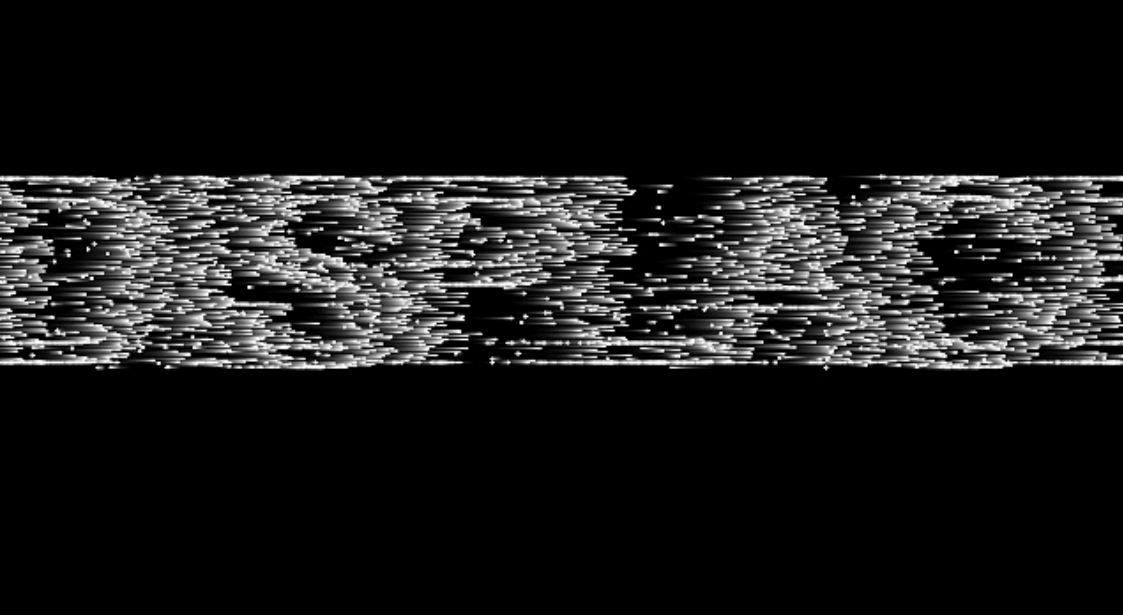*amplitude value + frequency band + beat onset*

The above will be mapped to (some or all of) the following aspects of the particles:
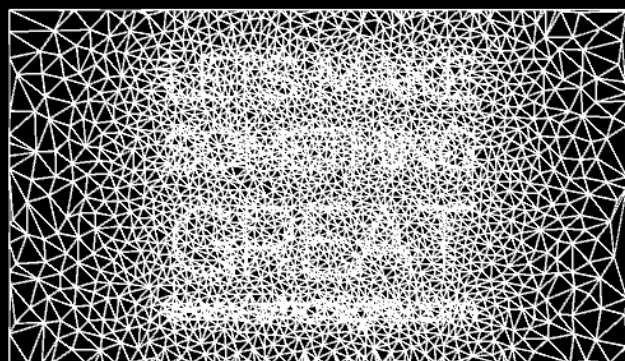
size + color + animation

For the Kinetic typography aspect of the visualization, the program will accept a "timed" version of the lyrics, and will use the *Geomerative* library to create the type arrangement.

DISASTER

POETRY
PARTY

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URBANISM

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def